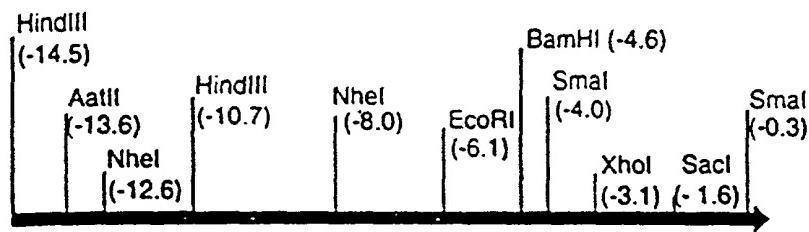


Figure 1



-14463 AAGCTTTTA GTGCTTAA CAGTGAGCTG GTCTGTCTAA CCCAAGTGAC CTGGGCTC
-14403 TACTCAGCCC CAGAAGTGAA GGGTGAGCT GGGTGGAGCC AAACCAGGCA AGCCTACC
-14343 CAGGGCTCCC AGTGGCTGA GAACCATTGG ACCCAGGACC CATTACTTCT AGGGTAAG
-14283 AGGTACAAAC ACCAGATCCA ACCATGGTCT GGGGGACAG CTGTCAAATG CCTAAAAA
-14223 TACCTGGGAG AGGAGCAGGC AAACATATCAC TGCCCCAGGT TCTCTGAAACA GAAACAGA
-14163 GGCAACCCAA AGTCAAATC CAGGTGAGCA GGTGCACCAA ATGCCAGAG ATATGACG
-14103 GCAAGAAGTG AAGGAACCAC CCCTGCATCA AATGTTTGC ATGGGAAGGA GAAGGGGG
-14043 GCTCATGTTTC CCAATCCAGG AGAATGCATT TGGGATCTGC CTTCTTCTCA CTCCTTGG
-13983 AGCAAGACTA AGCAACCAGG ACTCTGGATT TGGGGAAAGA CGTTTATTTG TGGAGGCC
-13923 TGATGACAAT CCCACGAGGG CCTAGGTGAA GAGGCGAGGA AGGCTCGAGA CACTGGGG
-13863 TGAGTAAAAA CCACACCCAT GATCTGCACC ACCCATGGAT GCTCCTTCAT TGTCACC
-13803 TCTGTTGATA TCAGATGGCC CCATTTCTG TACCTTCACA GAAGGACACA GGCTAGGG
-13743 TGTGCATGGC CTTCATCCCC GGGGCCATGT GAGGACAGCA GGTGGGAAAG ATCATGGG
-13683 CTCCTGGTC CTGCAGGGCC AGAACATTCA TCACCCATAC TGACCTCCTA GATGGAA
-13623 GCTTCCCTGG GGCTGGGCCA ACGGGGCTG GCCAGGGAG AARGGACGTC AGGGGACA
-13563 GAGGAAGGGT CATCGAGACC CAGCCTGGAA GGTTCTGTC TCTGACCATC CAGGATT
-13503 TTCCCTGCAT CTACCTTGG TCATTTCCC TCAGCAATGA CCAGCTCTGC TTCCCTGAT
-13443 CAGCCTCCCA CCCTGGACAC AGCACCCAG TCCCTGGCCC GGCTGCATCC ACCCAATA
-13383 CTGATAACCC AGGACCCATT ACTCTAGGG TAAGGAGGGT CCAGGAGACA GAAGCTGA
-13323 AAAGGTCTGA AGAAGTCACA TCTGTCTGG CCAGAGGGGA AAAACCATCA GATGCTGA
-13263 CAGGAGAATG TTGACCCAGG AAGGGACCG AGGACCCAAG AAAGGAGTCA GACCACCA
-13203 GTTTGCCTGA GAGGAAGGAT CAAGGCCCCG AGGGAAAGCA GGGCTGGCTG CATGTGCA

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-13143 ACACCTGGTGG GGCATATGTG TCTTAGATT CAGTGTCCCT GCCATGGC
-13083 GACTCTCTAC TCAGGCCCTGG ACATGCTGAA ATAGGACAAT GGCCCTTGTC TCTCTCCC
-13023 CCATTTGGCA AGAGACATAA AGGACATTCC AGGACATGCC TTCCCTGGGAG GTCCAGGT
-12963 TCTGTCTCAC ACCTCAGGGA CTGTAGTTAC TGCATCAGCC ATGGTAGGTG CTGATCTC
-12903 CCAGCCTGTC CAGGCCCTTC CACTCTCAC TTTGTGACCA TGTCCAGGAC CACCCCTC
-12843 ATCCTGAGCC TGCAAATACC CCCTTGCTGG CTGGGTGGAT TCAGTAAACA GTGAGCTC
-12783 ATCCAGCCCC CAGAGCCACC TCTGTCACCT TCCTGCTGGG CATCATCCCA CCTTCACA
-12723 CACTAAAGAG CATGGGGAGA CCTGGCTAGC TGGGTTCTG CATCACAAAG AAAATAAT
-12663 CCCAGGTTCG GATTCCCAGG GCTCTGTAIG TGGAGCTGAC AGACCTGAGG CCAGGAGA
-12603 GCAGAGGTCA GCCCTAGGGA GGGTGGGTCA TCCACCCAGG GGACAGGGGT GCACCAGC
-12543 TGCTACTGAA AGGGCCTCCC CAGGACAGCG CCATCAGCCC TGCCTGAGAG CTTTGCTA
-12483 CAGCAGTCAG AGGAGGCCAT GGCACTGGCT GAGCTCTGC TCCAGGCCCC AACAGACC
-12423 ACCAACAGCA CAATGCAGTC CTTCCCCAAC GTCACTGGTC ACCAAAGGGA AACTGAGG
-12363 CTACCTAACCT TAGAGCCAT CAGGGAGAT AACAGCCAA TTTCCAAAC AGGCCAGT
-12303 CAATCCCAGT ACAATGACCT CTCTGCTCTC ATTCTTCCCA AAATAGGACG CTGATTCT
-12243 CCCACCATGG ATTTCTCCCT TGTCCCGGGG GCCTTTCTG CCCCCCTATGA TCTGGGCA
-12183 CCTGACACAC ACCTCCTCTC TGGTGACATA TCAGGGTCCC TCACTGTCAA GCAGTCCA
-12123 AAGGACAGAA CCTTGGACAG CGCCCATCTC AGCTTCACCC TTCCCTCTTC ACAGGGTT
-12053 GGGCAAAGAA TAAATGGCAG AGGCCAGTGA GCCCAGAGAT GGTGACAGGC AGTGACCC
-12003 GGGCAGATGC CTGGAGCAGG AGCTGGCGGG CCCACAGGGA GAAGGTGATG CAGGAAGG
-11943 AACCCAGAAA TGGGCAGGAA AGGAGGACAC AGGCTCTGTG GGGCTGCAGC CCAGGGTT
-11883 ACTATGAGTG TGAAGCCATC TCAGCAAGTA AGGCCAGGTC CCATGAACAA GAGTGGGA
-11623 ACGTGGCTTC CTGCTCTGTA TATGGGTGG GGATTCAT GCCCATAGA ACCAGATG

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-11763 CGGGGTTCAAG ATGGAGAAGG AGCAGGACAG GGGATCCCCA GGATAGGAGG ACCCCAGT
-11703 CCCCACCCAG GCAGGTGACT GATGAATGGG CATGCAGGGT CCTCCTGGC TGGGCTCT
-11643 CTTTGTCCCT CAGGATTCCCT TGAAGGAACR TCCCGAAGCC GACCACATCT ACCTGGTG
-11583 TTCTGGGGAG TCCATGTAAA GCCAGGAGCT TGTGTGCTA GGAGGGGTCA TGGCATGT
-11523 TGGGGGCCACC AAAGAGAGAA ACCTGAGGGC AGGCAGGACC TGGTCTGAGG AGGCATGG
-11463 GCCCAGATGG GGAGAGATGGAT GTCAGGAAAG GCTGCCCAT CAGGGAGGGT GATAGCAA
-11403 GGGGGTCTGT GGGAGTGGGC ACGTGGGATT CCCTGGGCTC TGCCAAGTTC CCTCCCAT
-11343 TCACAACCTG GGGACACTGC CCATGAAGGG CGGCCCTTGC CCAGCCAGAT GCTGCTGG
-11283 CTGCCCATCC ACTACCCCTCT CTGCTCCAGC CACTCTGGT CTTTCTCCAG ATGCCCTG
-11223 CAGCCCTGGC CTGGGCCTGT CCCCTGAGAG GTGTGGGAG AAGCTGAGTC TCTGGGA
-11163 CTCTCATCAG AGTCTGAAAG GCACATCAGG AAACATCCCT GGTCTCCAGG ACTAGGCA
-11103 GAGGAAAGGG CCCCAGCTCC TCCCTTGCC ACTGAGAGGG TCGACCCCTGG GTGGCCAC
-11043 TGACTTCTGC GTCTGTCCCA GTCACCCCTGA AACCACAACA AAACCCCAGC CCCAGACC
-10983 GCAGGTACAA TACATGTGGG GACAGTCTGT ACCCAGGGGA AGCCAGTTCT CTCTTCCT
-10923 GAGACCGGGC CTCAGGGCTG TGCCCGGGGC AGGCGGGGGC AGCACGTGCC TGCTCTG
-10863 AACTCGGGAC CTTAAGGGTC TCTGCTCTGT GAGGCACAGC AAGGATCCTT CTGTCCAG
-10803 ATGAAAGCAG CTCCCTGCCCT TCCTCTGACC TCTTCCCTCT TCCCAAATCT CAACCAAC
-10743 ATAGGTGTTT CAAATCTCAT CATCAAATCT TCATCCATCC ACATGAGAAA GCTTAAAA
-10683 CAATGGATTG ACAACATCAA GAGTTGGAAC AAGTGGACAT GGAGATGTTA CTIGTGGA
-10623 TTTAGATGTG TTCAGCTATC GGGCAGGAGA ATCTGTGTCA AATTCCAGCA TGGTTCAG
-10563 GAATCAAAAA GTGTCACAGT CCAAATGTGC AACAGTGCAG GGGATAAAAC TGTGGTG
-10503 TCAAACGTGAG GGATATTTTG GAACATGAGA AAGGAAGGGA TTGCTGCTGC ACAGAAC
-10443 GATGATCTCA CACRTAGAGT TGAAAGAAAG GAGTCATCG CAGAATAGAA AATGATCA

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-10383 AATTCCACCT CTATAAAGTT TCCAAGAGGA AAACCCAATT CTGCTGCTAG AGATCAGA
-10323 GGAGGTGACC TGTGCCITGC AATGGCTGTG AGGGTCACGG GAGTGTCACT TAGTGCAG
-10263 AATGTGCCGT ATCTTAATCT GGGCAGGGCT TTCATGAGCA CATAGGAATG CAGACATT
-10203 TGCTGTGTTTC ATTTCATTC ACCGGAAAAAG AAGAATAAAA TCAGCCGGGC GCGGTGGC
-10143 ACGCCTGTAA TCCCAGCACT TTAGAAGGCT GAGGTGGGCA GATTACTTGA GGTCAGGA
-10083 TCAAGACCAC CCTGGCCAAT ATGGTGAAAC CCCGGCTCTA CTAAAAATAC AAAAATTA
-10023 TGGGCATGGT GGTGCGCGCC TGTAATCCCA GCTACTCGGG AGGCTGAGGC TGGACAAT
-9963 CTTGGACCCA GGAAGCAGAG GTTGCAGTGA GCCAAGATTG TGCCACTGCA CTCCAGCT
-9903 GGCAACAGAG CCAGACTCTG TAAAAAAAAA AAAAAAAAAA AAAAAAGAA AGAAAGAA
-9843 AGAAAAGAAA GTATAAAATC TCTTGGGTT AACAAAAAAA GATCCACAAA ACAAACAC
-9783 GCTCTTATCA AACTTACACA ACTCTGCCAG AGAACAGGAA ACACAAATAC TCATTAAC
-9723 ACTTTGTGG CAATAAAACC TTCATGTCAA AAGGAGACCA GGACACAATG AGGAAGTA
-9663 ACTGCAGGCC CTACTTGGGT GCAGAGAGGG AAAATCCACA AATAAAACAT TACAGAA
-9603 AGCTAAGATT TACTGCATTG AGTTCATTC CCAGGTATGC AAGGTGATT TAACACCT
-9543 AAATCAATCA TTGCCCTTAC TACATAGACA GATTAGCTAG AAAAAAATTA CAACTAGC
-9483 AACAGAAGCA ATTTGGCCTT CCTAAAATTC CACATCATAT CATCATGATG GAGACAGT
-9423 AGACGCCAAT GACAATAAAA AGAGGGACCT CCGTCACCCG GTAAACATGT CCACACAG
-9363 CCAGCAAGCA CCCGTCTTCC CAGTGAATCA CTGTAACCTC CCCTTTAATC AGCCCCAG
-9303 AAGGCTGCCT GCGATGGCCA CACAGGCTCC AACCCGTGGG CCTCAACCTC CCGCAGAG
-9243 TCTCCTTGG CCACCCCATG GGGAGAGCAT GAGGACAGGG CAGAGCCCTC TGATGCC
-9183 ACATGGCAGG AGCTGACGCC AGAGCCATGG GGGCTGGAGA GCAGAGCTGC TGGGGTCA
-9123 GCTTCCTGAG GACACCCAGG CCTAAGGGAA GGCAAGCTCCC TGGATGGGGG CAACCAGG
-9063 CCGGGCTCCA ACCTCAGAGC CCGCATGGGA GGAGCCAGCA CTCTAGGCCT TTCCCTAGG

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-9003 GACTCTGAGG GGACCTGAC ACGACAGGAT CGCTGAATGC ACCCGAGATG AAGGGGCC
-8943 CACGGGACCC TGCTCTCGTG GCAGATCAGG AGAGAGTGGG ACACCATGCC AGGCCCCC
-8883 GGCATGGCTG CGACTGACCC AGGCCACTCC CCTGCATGCA TCAGCCTCGG TAAGTCAC
-8823 GACCAAGCCC AGGACCAATG TGGAAAGGAG GAAACAGCAT CCCCTTTAGT GATGGAAC
-8763 AAGGTCAGTG CAAAGAGAGG CCATGAGCAG TTAGGAAGGG TGGTCCAACC TACAGCAC
-8703 ACCATCATCT ATCATAAGTA GAAGCCCTGC TCCATGACCC CTGCATTAA ATAAACGT
-8643 GTTAAATGAG TCAAATTCCC TCACCATGAG AGTCACCTG TGTGTAGGCC CATCACAC
-8583 ACRAAACACAC ACACACACAC ACACACACAC ACACACACAC ACAGGGAAAG TGCAGGAT
-8523 TGGACAGCAC CAGGCAGGCT TCACAGGCAG AGCAAACAGC GTGAATGACC CATGCAGT
-8463 CCTGGGGCCC ATCAGCTCAG AGACCCCTGTG AGGGCTGAGA TGGGGCTAGG CAGGGGAG
-8403 ACTTAGAGAG GGTGGGGCCT CCAGGGAGGG GGCTGCAGGG AGCTGGGTAC TGCCCTCC
-8343 GGAGGGGGCT GCAGGGAGCT GGGTACTGCC CTCCAGGGAG GGGGCTGCAG GGAGCTGG
-8283 ACTGCCCTCC AGGGAGGGGG CTGCAGGGAG CTGGGTACTG CCCTCCAGGG AGGGGGCT
-8223 AGGGAGCTGG GTACTGCCCT CCAGGGAGGC AGGAGCACTG TTCCCAACAG AGAGCACCA
-8163 TTCCCTGCAGC AGCTGCACAG ACACAGGAGC CCCCATGACT GCCCTGGGCC AGGGTGTG
-8103 TTCCAAATTT CGTCCCCAT TGGGTGGAC GGAGGTTGAC CGTGACATCC AAGGGCA
-8043 TGTGATTCCA AACTTAAACT ACTGTGCCTA CAAAATAGGA AATAACCTTA CTTTTCT
-7963 TATCTCAAAT TCCCTAAGCA CAAGCTAGCA CCCTTAAAT CAGGAAGTTC AGTCACTC
-7923 GGGGTCCCTCC CATGCCCTCC GTCTGACTTG CAGGTGCACA GGGTGGCTGA CATCTGTC
-7863 TGCTCCCTCT CTGGCTCAA CTGCCGCCCC TCCCTGGGGT GACTGATGGT CAGGACAA
-7803 GATCCTAGAG CTGGCCCCAT GATTGACAGG AAGGCAGGAC TTGGCCTCCA TTCTGAAG
-7743 TAGGGGTGTC AAGAGAGCTG GGCATCCCAC AGAGCTGCAC AAGATGACGC GGACAGAG
-7683 TGACACAGGG CTCAGGGCTT CAGACGGTC GGGAGGCTCA GCTGAGAGTT CAGGGACA

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-7623 CCTGAGGAGC CTCAGTGGGA AAAGAAGCAC TGAAAGTGGGA AGTTCTGGAA TGTCTGG
-7563 AAGCCTGAGT GCTCTAAGGA AATGCTCCCAC CCCCGATGTA GCCTGCAGCA CTGGACGG
-7503 TGTGTACCTC CCCGCTGCCA ATCCCTCTCAC AGCCCCCGCC TCTAGGGACA CAACTCCT
-7443 CCTAACATGC ATCTTTCTG TCTCATTCR CACAAAAGGG CCTCTGGGGT CCCTGTTC
-7383 CATTGCAAGG AGTGGAGGTC ACGTTCCCAC AGACCACCCA GCAACAGGGT CCTATGGA
-7323 TGCGGTCAAGG AGGATCACAC GTCCCCCAT GCCCAGGGGA CTGACTCTGG GGCGATG
-7263 TTGGCCTGGA GGCCACTGGT CCCCTCTGTC CCTGAGGGGA ATCTGCACCC TGGAGGCT
-7203 CACATCCCTC CTGATTCTTT CAGCTGAGGG CCCTCTTGA AATCCCAGGG AGGACTCA
-7143 CCCCACCTGGG AAAGGCCAG TGTGGACGGT TCCACAGCAG CCCAGCTAAG GCCCTTGG
-7083 ACAGATCTG AGTGAGAGAA CCTTTAGGGCA CACAGGTGCA CGGCCATGTC CCCAGTGC
-7023 ACACAGAGCA GGGGCATCTG GACCCCTGAGT GTGTAGCTCC CGCGACTGAA CCCAGCCC
-6963 CCCCCATGAC GTGACCCCTG GGGTGGCTCC AGGTCTCCAG TCCATGCCAC CAAAATCT
-6903 AGATTGAGGG TCCTCCCTTG AGTCCCTGAT GCCTGTCCAG GAGCTGCCCA CTGAGCAA
-6843 CTAGAGTGCA GAGGGCTGGG ATTGTGGCAG TAAAAGCAGC CACATTTGTC TCAGGAAG
-6783 AAGGGAGGAC ATGAGCTCCA CGAAGGGCA TGGCGTCCTC TAGTGGGCAG CTCCCTGTT
-6723 TGAGCAAAAA GGGGCCAGGA GAGTTGAGAG ATCAGGGCTG GCCTTGGACT AAGGCTCA
-6663 TGGAGAGGAC TGAGGTGCAA AGAGGGGCT GAAGTAGGGG AGTGGTCGGG AGAGATGG
-6603 GGAGCAGGTA AGGGGAAGCC CCAGGGAGGC CGGGGGAGGG TACAGCAGAG CTCTCCAC
-6543 CTCAGCATTG ACATTTGGGG TGGCTGTGCT AGTGGGGTTC TGTAAAGTTGT AGGGTGT
-6483 GCACCATCTG GGGACTCTAC CCACTAAATG CCAGCAGGAC TCCCTCCCCA AGCTCTAA
-6423 ACCAACAAATG TCTCCAGACT TTCCAAATGT CCCCTGGAGA GCAAAATTGC TTCTGGCA
-6363 ATCACTGATC TACGTCAAGTC TCTAAAAGTG ACTCATCAGC GAAATCCTTC ACCTCTT
-6303 AGAAGAATCA CAAGTGTGAG AGGGTAGAA ACTCCAGACT TCAAAATCTT TCCAAAAG

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-6243 TTTTACTTAA TCAGCAGTTT GATGTCCCAG GAGAAGATAAC ATTTAGAGTG TTTAGAGT
-6183 ATGCCACATG GCTGCCTGTA CCTCACAGCA GGAGCAGAGT GGGTTTCGA AGGGCCTG
-6123 ACCACAACTG GAATGACACT CACTGGTTA CATTACAAAG TGGAATGTGG CGAATTCT
-6063 AGACTTTGGG AAGGGAAATG TATGACGTGA GCCCACAGCC TAAGGCAGTG GACAGTCC
-6003 TTTGAGGCTC TCACCACATCA GGAGACATCT CAGCCATGAA CATAGCCACA TCTGTCAT
-5943 GAAAACATGT TTATTAAGA GGAAAAATCT AGGCTAGAAG TGCTTTATGC TCTTTTT
-5883 CTTTATGTTA AAATTCAATAT ACTTTTAGAT CATTCTTAA AGAAGAATCT ATCCCCCT
-5823 GTAAATGTTA TCACGTACTG GATAGTGTG TGTCCTCACT CCCAACCCCT GTGTGGTG
-5763 AGTGCCTGC TTCCCCAGCC CTGGGCCCTC TCTGATTCTT GAGAGCTTGT GGTGCTCC
-5703 CATTAGGAGG AAGAGAGGAA GGGTGTTTT AATATTCTCA CCATTACCCC ATCCACCT
-5643 TAGACACTGG GAAGAACATAG TTGCCCACTC TTGGATTGTA TCCTCGAATT AATGACCT
-5583 ATTTCTGTCC CTGTCCATT TCAACAATGT GACAGGCCAA AGAGGTGCCT TCTCCATG
-5523 ATTTTGAGG AGAAGGTCT CAAGATAAGT TTTCTCACAC CTCTTGAAT TACCTCCA
-5463 TGTGTCCCCA TCACCATTAC CAGCAGCATT TGGACCCCTT TTCTGTTAGT CAGATGCT
-5403 CCACCTCTTG AGGGTGTATA CTGTATGCTC TCTACACAGG AATATGCAGA GGAAATAG
-5343 AAAGGGAAAT CGCATTACTA TTCAGAGAGA AGAAGACCTT TATGTGAATG AATGAGAG
-5283 TAAAATCCTA AGAGAGCCCA TATAAAATTA TTACCACTGC TAAAATCACA AAAGTTAC
-5223 TAACAGTAAA CTAGAATAAT AAAACATGCA TCACAGTGTG TGTTAAAGCT AAATCAGA
-5163 TTTTTTCTT AGAAAAAGCA TTCCATGTGT GTGCAGTGA TGACAGGAGT GCCCTTCA
-5103 CAATATGCTG CCTGTAATT TTGTTCCCTG GCAGAAATGTA TTGTCCTTC TCCCTTCA
-5043 TCTTAAATGC AAAACTAAAG GCAGCTCTG GGCCCCCTCC CCAAAGTCAG CTGCCTGC
-4983 CCAGCCCCAC GAAGAGCAGA GGCTGAGCT TCCCTGGTCA AAATAGGGGG CTAGGGAG
-4923 TAACCTTGCT CGATAAAGCT GTGTTCCAG AATGTCGCTC CTGTTCCAG GGGCACCA

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-4863 CTGGAGGGTG GTGAGCCTCA C1GGTGGCCT GATGCCTTACCG TTGTGCCCTC ACACCAGT
-4803 TCACTGGAAC CTTGAACACT TGGCTGTCGC CCGGATCTGC AGATGTCAAG AACTTCTG
-4743 AGTCAAATTA CTGCCCACTT CTCCAGGGCA GATACTGTG AACATCCAAA ACCATGCC
-4683 AGAACCTGCA CTGGGGTCTA CAACACATAT GGACTGTGAG CACCAAGTCC AGCCCTGA
-4623 CTGTGACCAC CTGCCAAGAT GCCCCTAACT GGGATCCACC AATCACTGCA CATGGCAG
-4563 AGCGAGGCTT GGAGGTGCTT CGCCACAAGG CAGCCCCAAT TTGCTGGGAG TTTCTTGG
-4503 CCTGGTAGTG GTGAGGAGCC TTGGGACCT CAGGATTACT CCCCTTAAGC ATAGTGGG
-4443 CCCTTCTGCA TCCCCAGCAG GTGCCCCGCT CTTCAGAGCC TCTCTCTCTG AGGTTTAC
-4383 AGACCCCTGCA ACCAATGAGA CCATGCTGAA GCCTCAGAGA GAGAGATGGA GCTTTGAC
-4323 GGAGCCGCTC TTCTTGAGG GCCAGGGCAG GGAAAGCAGG AGGCAGCACC AGGAGTGG
-4263 ACACCAGTGT CTAAGCCCC GATGAGAACA GGGTGGTCTC TCCCATATGC CCATACCA
-4203 CCTGTGAACA GAATCCTCCT TCTGCAGTGA CAATGTCTGA GAGGACGACA TGTTTCCC
-4143 CCTAACGTGC AGCCATGCCC ATCTACCCAC TGCCCTACTGC AGGACAGCAC CAACCCAG
-4083 GCTGGGAAGC TGGGAGAAGA CATGGAATAC CCATGGCTTC TCACCTTCCT CCAGTCCA
-4023 GGGCACCATT TATGCTAGG ACACCCACCT GCCGGCCCCA GGCTCTTAAG AGTTAGGT
-3963 CCTAGGTGCC TCTGGGAGGC CGAGGCAGGA GAATTGCTTG AACCCGGGAG GCAGAGGT
-3903 CAGTGAGCCG AGATCACACC ACTGCACCTCC AGCCTGGGTG ACAGAATGAG ACTCTGTC
-3843 AAAAAAAAAG AGAAAGATAG CATCAGTGGC TACCAAGGGC TAGGGGCAGG GGAAGGTG
-3783 GAGTTAATGA TTAATAGTAT GAAGTTCTA TGTGAGATGA TGAAAATGTT CTGGAAAAA
-3723 AAATATAGTG GTGAGGATGT AGAATATTGT GAATATAATT AACGGCATTT AATTGTAC
-3663 TTAACATGAT TAATGTGGCA TATTTTATCT TATGTATTG ACTACATCCA AGAACAC
-3603 GGAGAGGGAA AGCCCACCAT GTAAAATACA CCCACCCCTAA TCAGATAGTC CTCATTGT
-3543 CCAGGTACAG GCCCCTCATG ACCTGCACAG GAATAACTAA GGATTTAAGG ACATGAGG

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-3483 TCCCAGCCAA CTGCAGGTGC ACAACATAAA TGTATCTGCA AACAGACTGA GAGTAAAG
-3423 GGGGGCACAA ACCTCAGCAC TGCCAGGACA CACACCCCTTC TCGTGGATTTC TGACTTTA
-3363 TGACCCCCGCC CACTGTCCAG ATCTTGTGT GGGATTGGGA CAAGGGAGGT CATAAACGC
-3303 GTCCCCCAGGG CACTCTGTGT GAGCACACGA GACCTCCCCA CCCCCCCCACC GTTAGGTC
-3243 CACACATAGA TCTGACCATT AGGCATTGTG AGGAGGGACTC TAGCGCGGGC TCAGGGAT
-3183 CACCAAGAGAA TCAGGTACAG AGAGGAAGAC GGGGCTCGAG GAGCTGATGG ATGACACA
-3123 GCAGGGTTCC TGCAGTCCAC AGGTCCAGCT CACCCCTGGTG TAGGTCCCCC ATCCCCCT
-3063 TCCAGGGATC CCTGACACAG CTCCCCCTCCC GAGCCTCCCTC CCAGGTGACA CATCAGGG
-3003 CCTCACTCAA GCTGTCCAGA GAGGGCAGCA CCTTGGACAG CGCCCACCCC ACTTCACT
-2943 TCCCTCCCTCA CAGGGCTCAG GGCTCAGGGC TCAAGTCTCA GAACAAATGG CAGAGGCC
-2883 TGAGCCCCAGA GATGGTGACA GGGCAATGAT CCAGGGGCAG CTGCCTGAAA CGGGAGCA
-2823 TGAAGCCACA GATGGGAGAA GATGGGTCAG GAAGAAAAAT CCAGGAATGG GCAGGAGA
-2763 AGAGGAGGGAC ACAGGCTCTG TGGGGCTGCA GCCCAGGATG GGACTAAGTG TGAAGACA
-2703 TCAGCAGGTG AGGCCAGGTC CCATGAACAG AGAACGAGCT CCCACCTCCC CTGATGCA
-2643 GACACACAGA GTGTGTGGTG CTGTGCCCTC AGAGTCGGGC TCTCCTGTTC TGGTCCCC
-2583 GGAGTGAGAA GTGAGGTTGA CTTGTCCCTG CTCCCTCTG CTACCCCAAC ATTCAACCT
-2523 TCCTCATGCC CCTCTCTCTC AATATGATT TGGATCTATG TCCCCGGCCA AATCTCAT
-2463 CAAATTGTAA ACCCCAAATGT TGGAGGTGGG GCCTTGTGAG AAGTGATTGG ATAATGCG
-2403 TGGATTTCT GCCTTGATGC TGTGTTCTGTG ATAGAGATCT CACATGATCT GGTTGTTT
-2343 AAGTGTGTAG CACCTCTCCC CTCTCTCTCT CTCTCTCTTA CTCATGCTCT GCCATGTA
-2283 ACGTTCTGT TTCCCCCTCA CGGTCCAGAA TGATGTGAAAG TTTTCTGAGG CCTCCCCA
-2223 AGCAGAAGCC ACTATGCTTC CTGTACAACG GCAGAAATGAT GAGCGAATTAA AACCTCTT
-2163 CTTTATAAAT TACCCAGTCT CAGGTATTC TTTATAGCAA TGCGAGGACA GACTAATA

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-2103 ATCTTCTACT CCCAGATCCC CGCACACGCT TAGCCCCAGA CATCACTGCC CCTGGGAG
-2043 TGCACAGCGC AGCCTCCTGC CGACAAAAGC AAAGTCACAA AAGGTGACAA AAATCTGC
-1983 TTGGGGACAT CTGATTGTGA AAGAGGGAGG ACAGTACACT TGTAGCCACA GAGACTCG
-1923 CTCACCGAGC TGAAACCTGG TAGCACTTTG GCATAACATG TGCATGACCC GTGTTCAA
-1863 TCTAGAGATC AGTGTGAGT AAAACAGCCT GGTCTGGGC CGCTGCTGTC CCCACTTC
-1803 TCCTGTCCAC CAGAGGGCGG CAGAGTTCCCT CCCACCCCTGG AGCCTCCCCA GGGGCTGC
-1743 ACCTCCCTCA GCCGGGCCCCA CAGCCCAGCA GGGTCCACCC TCACCCGGGT CACCTCGG
-1683 CACGTCCCTCC TCGCCCTCCG AGCTCCTCAC ACGGACTCTG TCAGCTCCTC CCTGCAGC
-1623 ATCGGCCGCC CACCTGAGGC TTGTGGCCG CCCACTTGAG GCCTGTGGC TGCCCTCT
-1563 AGGCAGCTCC TGTCCCCCTAC ACCCCCCCTCTT TCCCCGGGT CAGCTGAAAG GGCGTCTC
-1503 AGGGCAGCTC CCTGTGATCT CCAGGACAGC TCAGTCTCTC ACAGGCTCCG ACGCCCCC
-1443 TGCTGTCAAC TCACAGCCCT GTCATTACCA TTAACTCCTC AGTCCCCTGA AGTTCACT
-1383 GCGCCTGTCT CCCGGTTACA GGAAAACTCT GTGACAGGGG CAACGTCCTGT CCTGCTCT
-1323 GTGGAATCCC AGGGCCCAGC CCAGTGCCTG ACACGGAACA GATGCTCCAT AAATACTG
-1263 TAAATGTGTG GGAGATCTCT AAAAAGAAC ATATCACCTC CGTGTGGCCC CCAGCACT
-1203 GAGTCTGTTC CATGTGGACA CAGGGCACT GGCACCAAGCA TGGGAGGAGG CCAGCAAG
-1143 CCCGCCTGCTG CCCCAGGAAT GAGGCCTCAA CCCCCAGAGC TTCAGAAGGG AGGACAGA
-1083 CCTGCAGGGGAA ATAGATCCTC CGGCCTGACC CTGCAGCCTA ATCCAGAGTT CAGGGTCA
-1023 TCACACCACG TCGACCCCTGG TCAGCATCCC TAGGGCAGTT CCAGACAAGG CCGGAGGT
-963 CCTCTTGGCC TCCAGGGGGT GACATTGCAC ACAGACATCA CTCAGGAAC GGATTCCC
-903 GGACAGGAAC CTGGCTTTGC TAAGGAAGTG GAGGTGGAGC CTGGTTTCCA TCCCTTGC
-843 CAACAGACCC TTCTGATCTC TCCCACATAC CTGCTCTGTT CCTTTCTGGG TCCTATGA
-783 ACCCTGTTCT GCCAGGGGTC CCTGTGCAAC TCCAGACTCC CTCCTGGTAC CACCATGG

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-723 AAGGTGGGT GATCACAGGA CAGTCAGCCT CGCAGAGACA GAGACCACCC AGGACTGT
-663 GGGAGAACAT GGACAGGCC CGAGCCGCAG CTCAGCCAAC AGACACGGAG AGGGAGGG
-603 CCCCTGGAGC CTTCCCCAAG GACAGCAGAG CCCAGAGTCA CCCACCTCCC TCCACCAC
-543 TCCTCTCTT CCAGGACACA CAAGACACCT CCCCTCCAC ATGCAGGATC TGGGGACT
-483 TGAGACCTCT GGGCCTGGGT CTCCATCCCT GGGTCAGTGG CGGGGTTGGT GGTACTGG
-423 ACAGAGGGCT GGTCCCTCCC ^{2,}CAGCCACAC CCAGTGAGCC TTTTCTAGC CCCCAGAG
-363 ACCTCTGTCA CCTTCCTGTT GGGCATCATC CCACCTCCC AGAGCCCTGG AGAGCATG
-303 GAGACCCGGG ACCCTGCTGG GTTTCTCTGT CACAAAGGAA ATAATCCCC CTGGTGTG
-243 AGACCCAAGG ACAGAACACA GCAGAGGTCA GCACTGGGA AGACAGGTTG TCCTCCCA
-163 GGATGGGGGT CCATCCACCT TGCGAAAAG ATTTGTCTGA GGAAGTGAAA ATAGAAGG
-123 AAAAAGAGGA GGGACAAAAG AGGCAGAAAT GAGAGGGAG GGGACAGAGG ACACCTGA
-63 AAAGACCACA CCCATGACCC ACGTGATGCT GAGAAGTACT CCTGCCCTAG GAAGAGAC
-3 AGGGCAGAGG GAGGAAGGAC AGCAGACCAAG ACAGTCACAG CAGCCTTGAC AAAACGTT
57 TGGAACTCAA GCTCTCTCC ACAGAGGAGG ACAGAGCAGA CAGCAGAGAC CATGGAGT
117 CCCTCGGCC CGCCACAG ATGGTGCATC CCCTGGCAGA GGCTCCTGCT CACAGGTG
177 GGGAGGACAA CCTGGGAGAG GGTGGGAGGA GGGAGCTGGG GTCTCCTGGG TAGGACAG
237 CTGTGAGACG GACAGAGGGC TCCTGTTGGA GCCTGAATAG GGAAGAGGAC ATCAGAGA
297 GACAGGAGTC ACACCAAGAA AATCAATTG AACTGGAATT GGAAAGGGC AGGAAAAC
357 CAAGAGTTCT ATTTCTCTAG TTAAATTGTCA CTGGCCACTA CGTTTTAAA AATCATAA
417 ACTGCATCAG ATGACACTTT AAATAAAAAC ATAACCAGGG CATGAAACAC TGTCTCA
477 CGCCTACCGC GGACATTGGA AAATAAGCCC CAGGCTGTGG AGGGCCCTGG GAACCTC
537 GAACTCATCC ACAGGAATCT GCAGCCTGTC CCAGGCACTG GGGTGCAACC AAGATC

Figure 2 (11 of 11)

Figure 3

CEA E1a and E1b Adenovirus Constructs

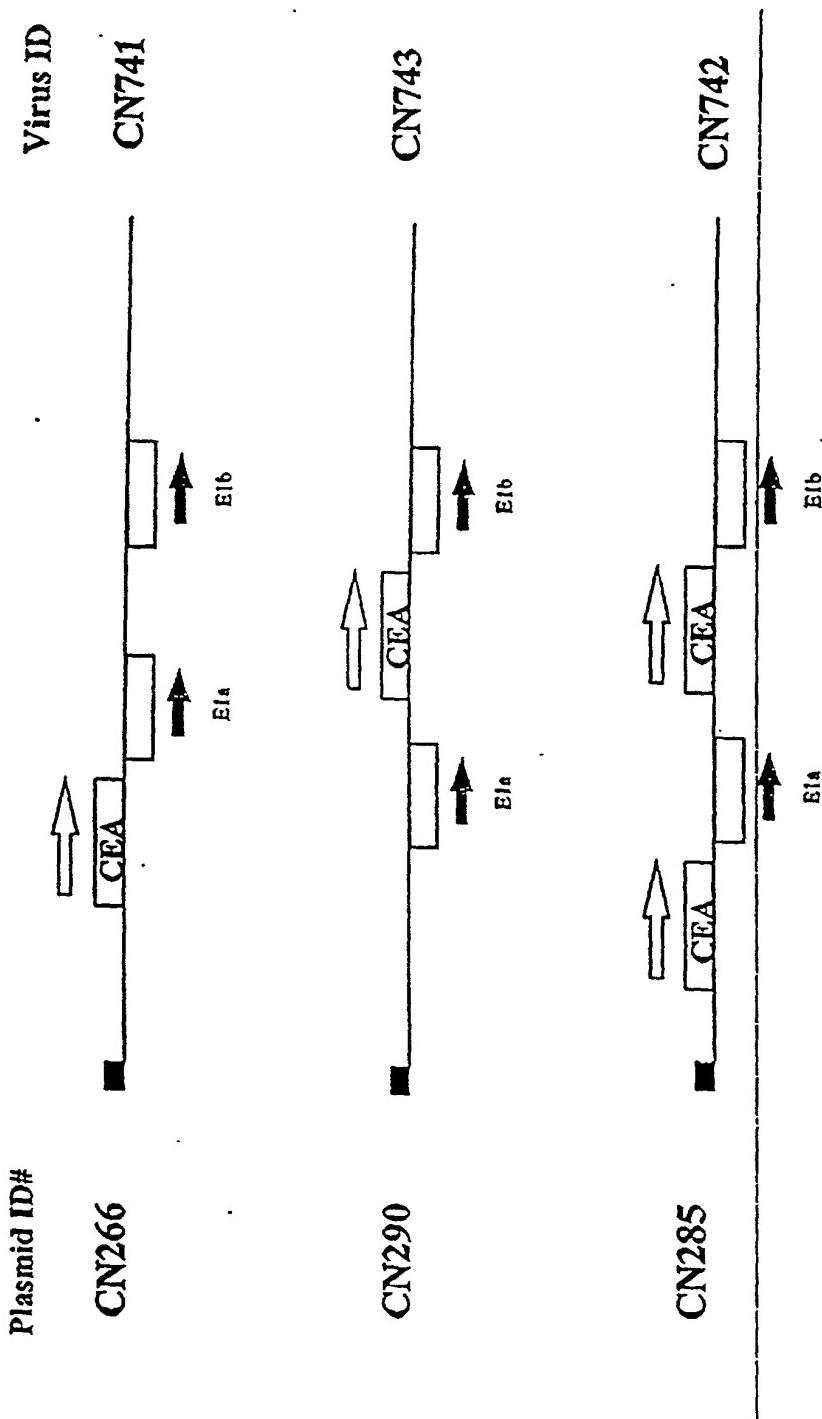


Figure 4

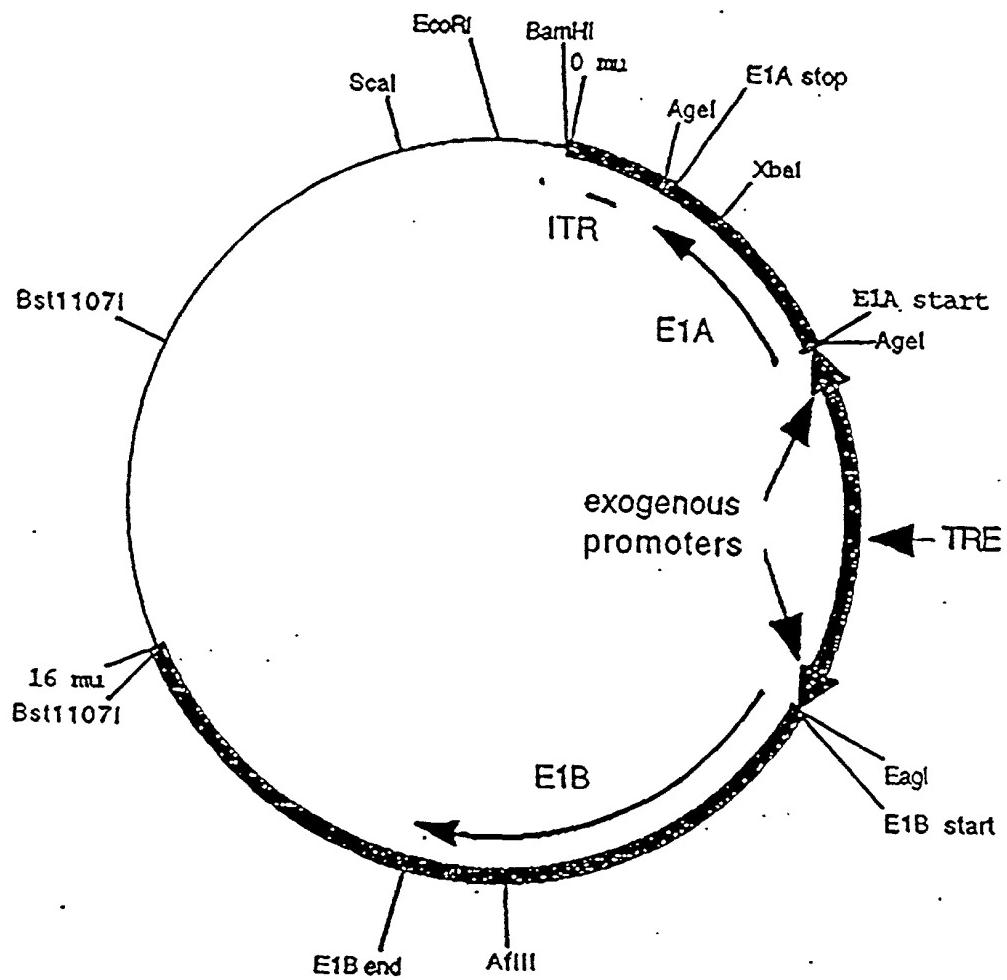


Figure 5A

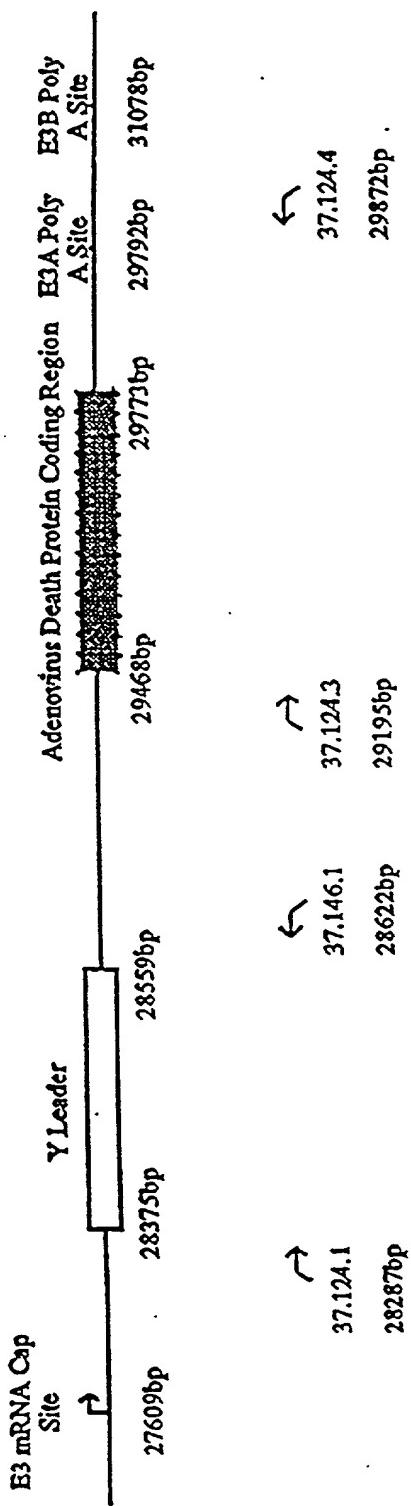


Figure 5B



Figure 6

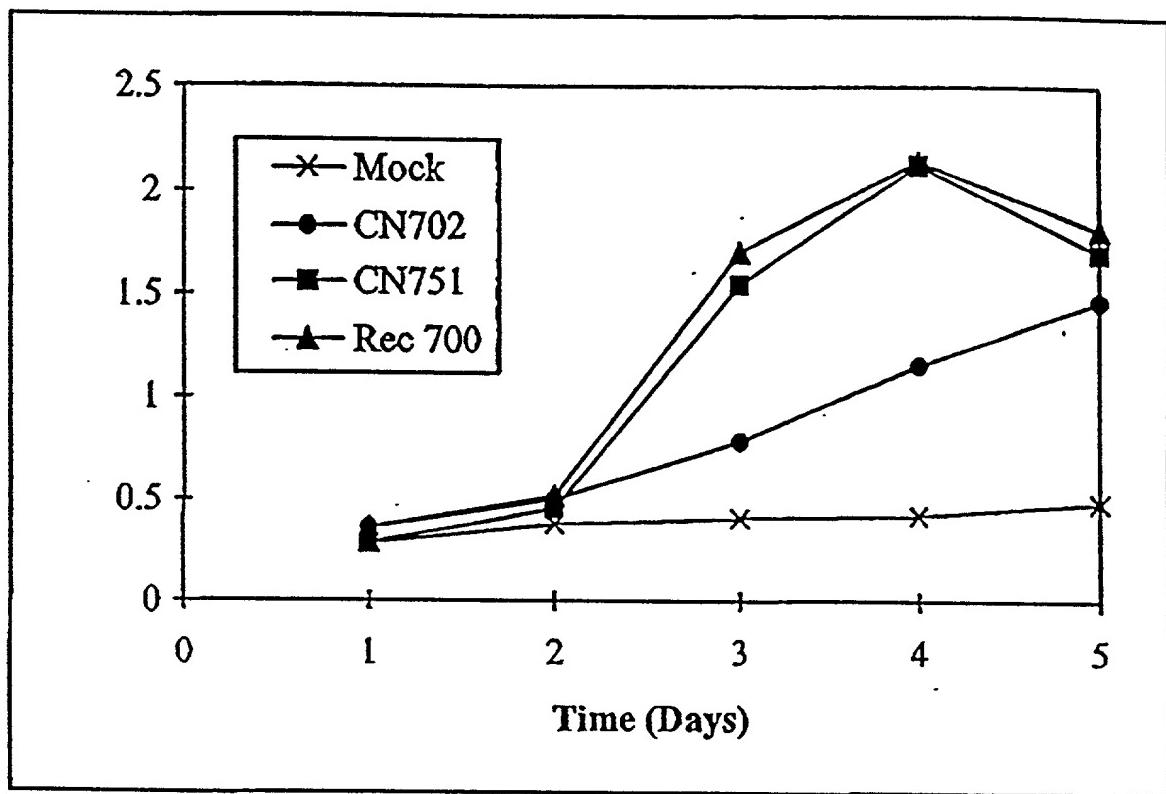


Figure 7

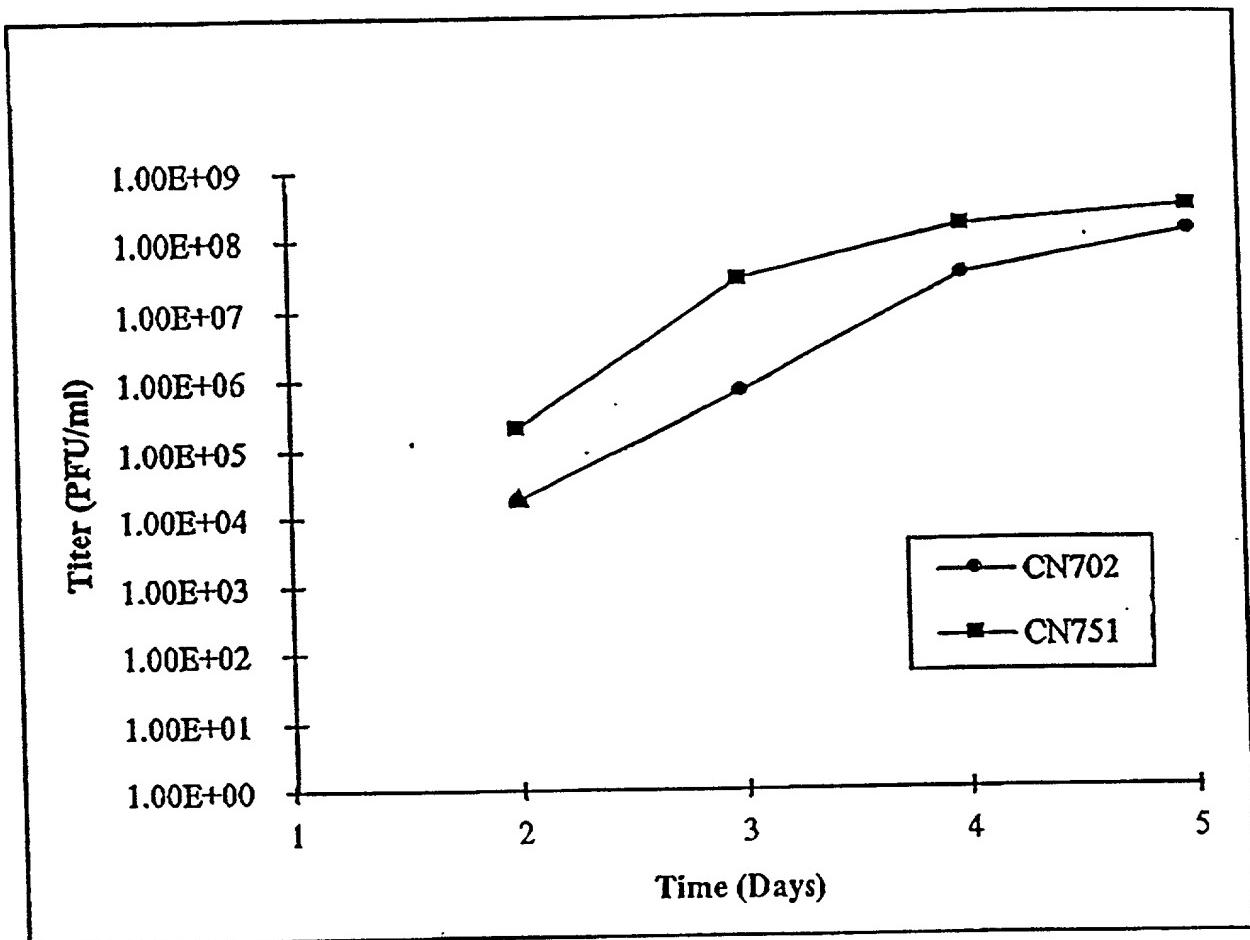
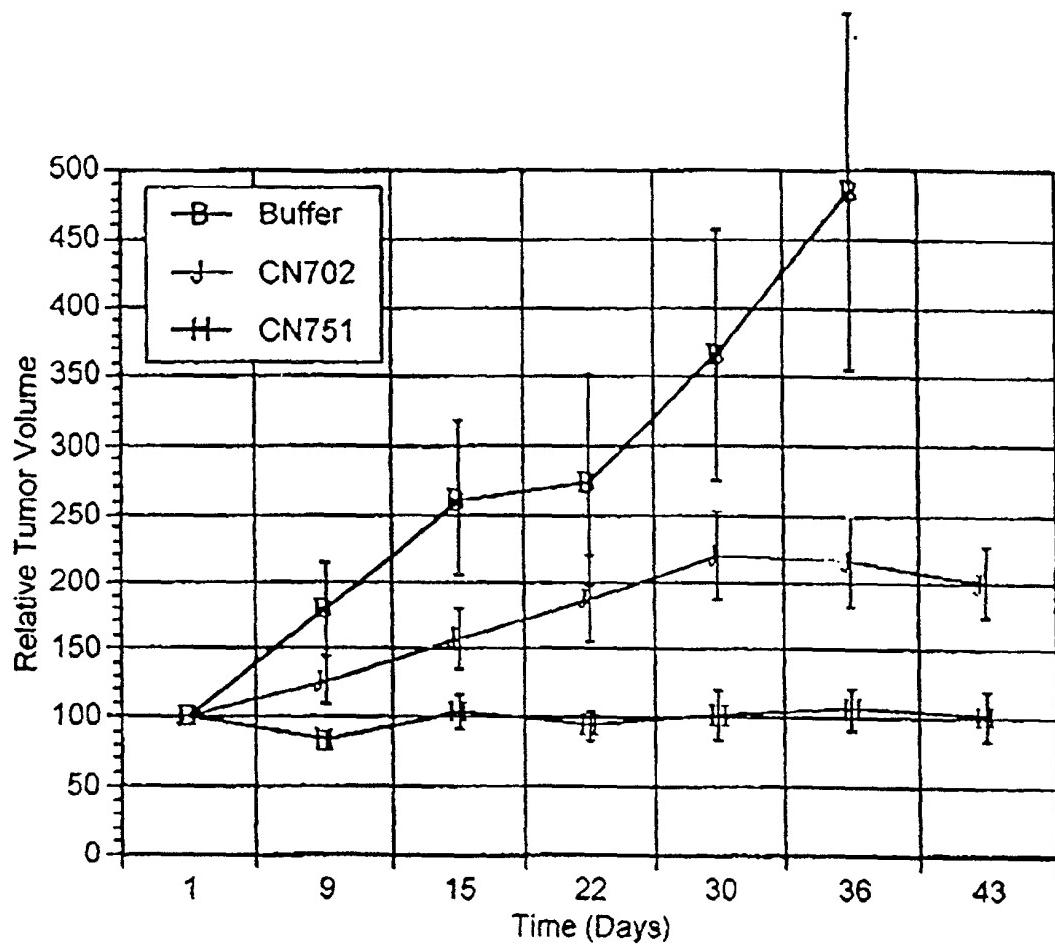


Figure 8



Note: Buffer treated animals were sacrificed after four weeks because of excessive tumor burden